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(21) International Application Number: PCT/US90/01945 (22) International Filing Date: 10 April 1990 (10.04.90) (30) Priority data: 336,181 10 April 1989 (10.04.89) US (71) Applicant: LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE [US/US]; 155 T. Boyd Hall, Baton Rouge, LA 70803 (US). (72) Inventor: JAYNES, Jesse, M. ; 623 College Hill Drive, Baton Rouge, LA 70808 (US). (74) Agents: GARVEY, Charles, C. et al.; Pravel, Gambrell, Hewitt, Kimball & Krieger, 1177 West Loop South, 10th Floor, Houston, TX 77005 (US).		(81) Designated States: AT (European patent), AU, BE (European patent), CA, CH (European patent), DE (European patent), DK (European patent), ES (European patent), FI, FR (European patent), GB (European patent), IT (European patent), KR, LU (European patent), NL (European patent), NO, SE (European patent). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: LYTIC PEPTIDES, USE FOR GROWTH, INFECTION AND CANCER (57) Abstract <p>Novel synthetic lytic and proliferative peptides were designed and constructed to encompass the structural features associated with lytic and proliferative activity. These compounds, along with the human β fibrin signal peptide share structural and functional properties of the known lytic peptides. These peptides are effective agents in the treatment of microbial infections including gram negative and gram positive bacteria, fungus, virus, yeast, and protozoa, in the lysis of cancer cells, and in the proliferation of fibroblast and lymphocytes. Additional functions include synergy and use as general adjuvants and in the enhancement of wound healing.</p>		